School Furniture Box

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Design Division

Samsonite

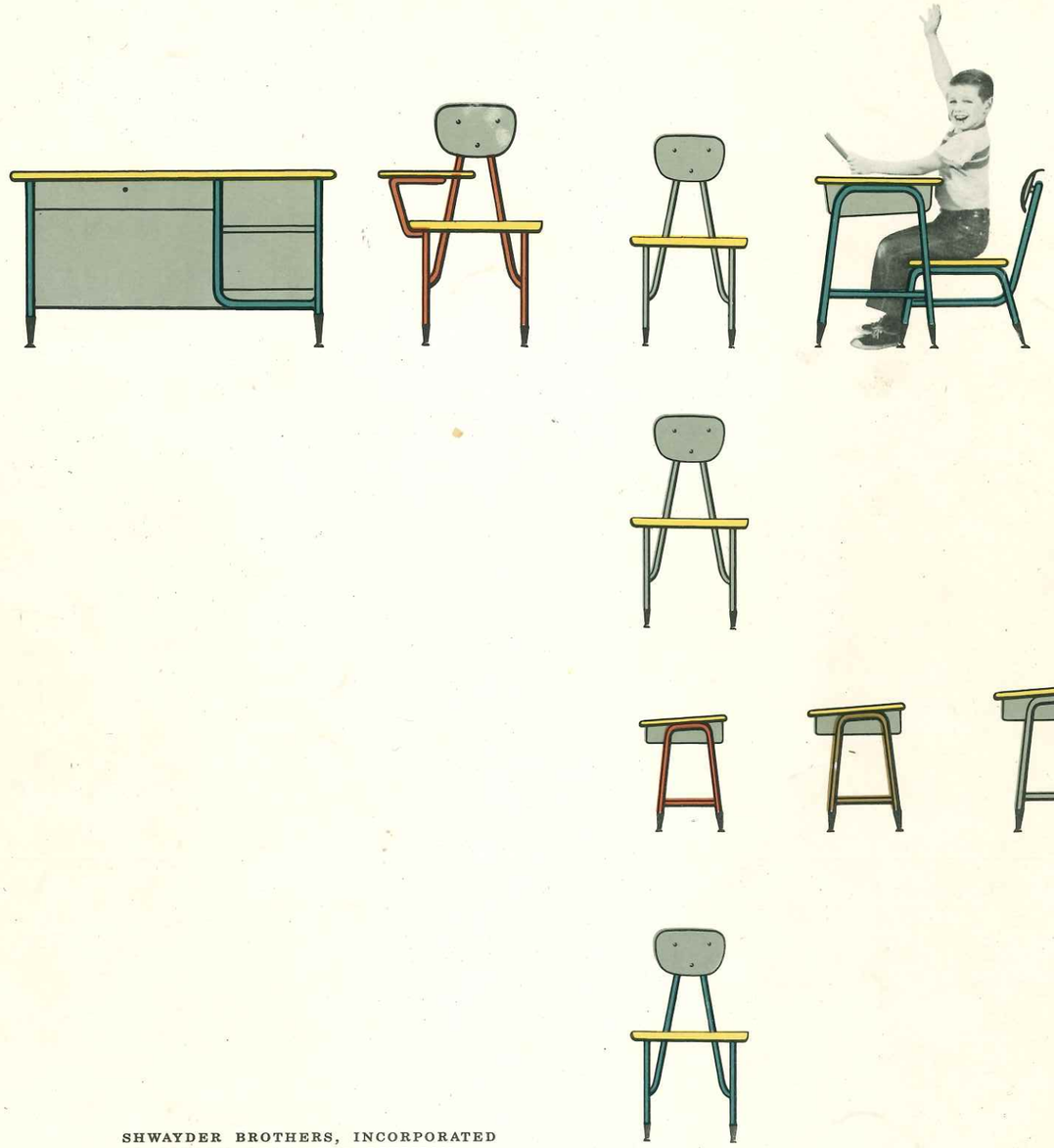
Presents a Complete Line
of Colorful, Mobile
School Furniture

C-2

DESIGNED BY *Russel Wright*

Shwayder Bros.

A.I.A. FILE NO.
35-B-3



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CLASSROOM FURNITURE DIVISION
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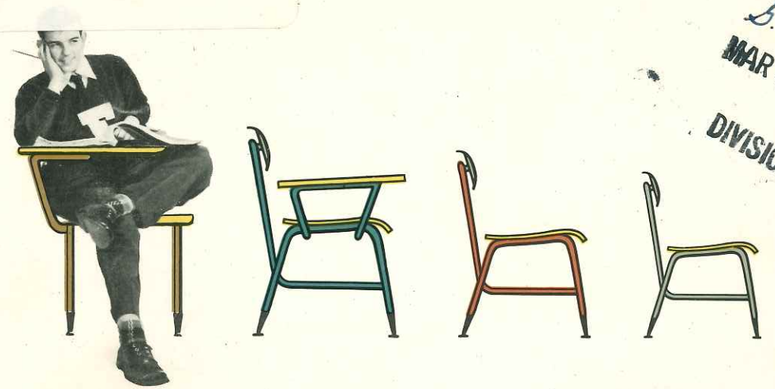

PATENT OFFICE
B. King
MAR 4 1958
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Samsonite

Furniture completes the Cheerful Classroom

A name is a growing thing.

The name SAMSONITE was originally chosen to signify that products of Shwayder Bros., Inc., are strong and durable.

In the forty-five years in which that name has been familiar to the American public, its meaning has greatly expanded.

It has become well known that in the manufacture of furniture, auditorium seating, and luggage, Shwayder production methods are uniquely efficient. In design and concept, each product leads its respective field.

SAMSONITE will always signify strength, but it has come to mean far more than strength alone.

Today, SAMSONITE means strength *embodied in the best contemporary design*, manufactured so efficiently that price is determined not by the high quality of the product, *but by the efficiency of its manufacture.*

Whether borne by a person or a product, a name is a growing thing.

Over the years, a name comes to stand for *the sum of experiences* people have had with a product.

That's why SAMSONITE on a product is your best guarantee. No name is better known or more respected.

In presenting this *new kind* of class room furniture, SAMSONITE is filling an acute need in the modern school.

Our whole concept of the classroom has undergone a revolution in modern times.

Yet the eye-filling central "bulk" of the classroom—the furniture—remains the last refuge of outmoded design.

With the introduction of SAMSONITE furniture newly designed by Russel Wright, the *Cheerful Classroom* is now a complete reality.

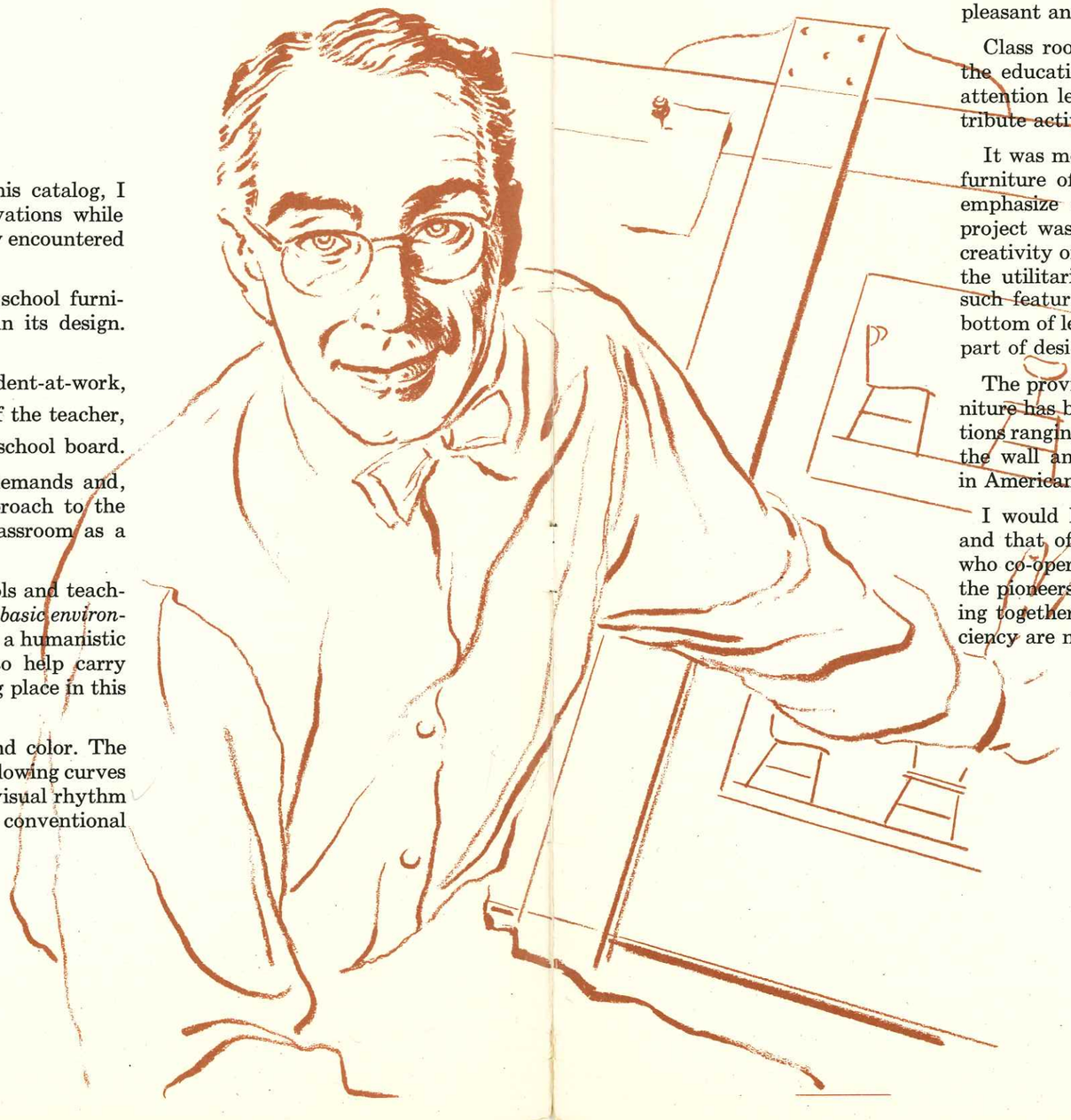
It is natural that the makers of SAMSONITE present this new concept in classroom furniture. People have come to depend upon SAMSONITE for *fresh thinking* about both products and their methods of manufacture.

Out of the three SAMSONITE plants in Detroit, Pittsburgh and Denver come products which are carefully designed to make *new contributions* in furniture, public seating and luggage.

SAMSONITE school furniture carries on this fine tradition. It is a unique combination of imaginative design and manufacturing science, a combination which brings to schools a new concept in classroom furniture . . . at a cost lower than that of most outmoded designs!

The Environment of Education

—a statement by Russel Wright



In designing the furniture presented in this catalog, I have sought to bring about needed innovations while complying with the specifications commonly encountered in this field.

The three groups most concerned with school furniture suggest fundamental considerations in its design. School furniture must be—

comfortable, to fit the needs of the student-at-work,
mobile, to fit the individual practice of the teacher,
durable, to fit the pocketbook of the school board.

My objective has been to meet these demands and, at the same time, to provide a fresh approach to the relationship between furniture and the classroom as a whole.

Many changes have taken place in schools and teaching methods, but the classroom remains *the basic environment of education*. I have worked to provide a humanistic element in the design of the furniture, to help carry forward the creative changes rapidly taking place in this basic environment.

I have, therefore, emphasized curves and color. The sweeping lines of the metal framework, the flowing curves of backs and seats, create a movement of visual rhythm even when the units are assembled in a conventional rectilinear arrangement in the classroom.

School architecture has made tremendous progress. Even in older schools, wall colors have become brighter and more varied. Yet most school furniture remains dull, drab and institutional. Why should not the furniture our children use so many thousand days of their life be pleasant and friendly in line and color?

Class room furniture ought to be a means of aiding the educative process. At a minimum, it should make attention less fatiguing; at a maximum, it should contribute actively to the enjoyment of learning.

It was more than memories of discomfort in the rigid furniture of my own school days which caused me to emphasize comfort, color and mobility. To me, this project was an opportunity *to express in furniture* the creativity of contemporary education. At the same time, the utilitarian aspects have been borne well in mind; such features as the tapered aluminum "spats" at the bottom of legs indicate that durable utility is an integral part of design.

The provision of proper colors for nationally-used furniture has been a vexing problem. It includes considerations ranging from light reflectivity to co-ordination with the wall and woodwork colors now generally specified in American schools.

I would like, therefore, to express my appreciation, and that of the manufacturers, to the superintendents who co-operated so willingly in our survey, as well as to the pioneers in color planning in school interiors. Working together, we are proving that pleasantness and efficiency are not opposites, but twins.

Russel Wright F.S.I.D.

Samsonite

makes the Island as Bright as the Sea!

Educational authorities have long known that proper use of color improves the student's attitude toward his schoolroom and his work.

In accordance with this knowledge, more and more classroom walls are finished in friendly, pleasing colors.

But the large central area of the room occupied by furniture is like a depressing island in a bright sea.

Henry Ford used to say that people could have a Model T in any color they wished—as long as it was black.

School furniture is still in the Model T stage.

The colors used in SAMSONITE school furniture are the result of the most extensive survey ever made of recommendations and practices in the use of color in American classrooms.

On the basis of independent research, Russel Wright had recommended four colors. But before a final decision could be made, it was necessary to know *exactly* with what surrounding hues they would most frequently have to blend or contrast.

The difficulty lies in the word "exactly". Verbal identification of color is highly ambiguous; there are a thousand shades of "green".

The survey questionnaire, circulated to superintendents in representative schools in thirty states, therefore contained *actual samples of wall and woodwork colors* for precise identification.

The questionnaire also contained samples of the four furniture-frame colors recommended by the color specialist.

When the results of the survey were analyzed, it was possible to select *with certainty*, furniture colors which blended or contrasted effectively with classroom colors nationally in use.

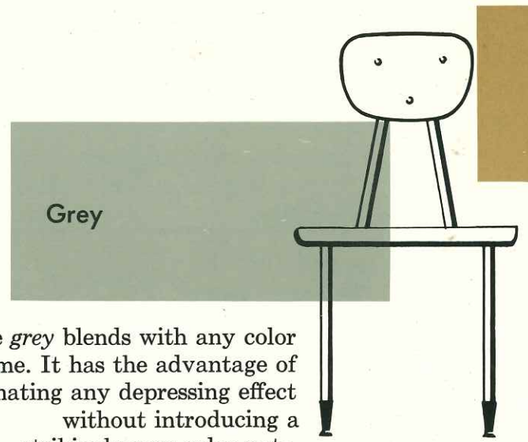
This relationship with surrounding hues was one of four criteria set up for SAMSONITE furniture colors.

A second criterion was that the selected colors mix-match among themselves. Meeting this requirement created the possibility of a heightened color impression when units of different colors are used together, in pairs or other combinations. It also has the economic advantage of permitting furniture to be shifted freely between rooms while maintaining a harmonious effect.

A third requirement was that the selected colors complement recommended practices for color planning in school interiors.

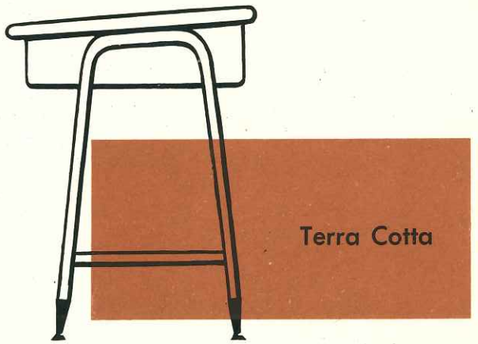
Finally, there had to be provision made for those schools which were not yet in a position to take full advantage of color possibilities.

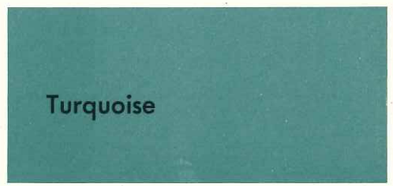
The four colors finally selected meet all these criteria.



The *grey* blends with any color scheme. It has the advantage of eliminating any depressing effect without introducing a strikingly-new color note.

For those who wish to continue present practices, a *brown* is available. This is a "freshened" shade which avoids the drabness frequently associated with that color.





SAMSONITE *terra cotta* and *turquoise* introduce a cheerful color interest into the vital center of the classroom.

Carefully selected to "go with" both prevalent and recommended wall colors, they forever banish the depressing "island" between the colorful walls.

Used singly, or mix-matched in any combination, SAMSONITE furniture, with its Colorful Mobility, *completes* the change to the cheerful classroom.

No longer must the whole central area of the classroom have that "institutional" look. SAMSONITE makes the island as bright as the sea!

Freshness of Design . . . Combined With a New High in Utility

PAGES

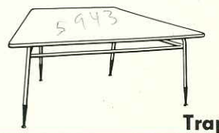
10 – 11 — Unit-Chair

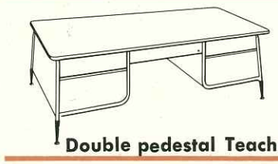
12 – 13 — Tablet-Arm Chair Tablet-Desk Chair

14 – 15 — Student-Desk Shelf-Desk

16 – 17 — Open-Front Desk Lift-Lid Desk

18 – 19 — Rectangular Table

20 – 21 — Round Table  Trapezoid Table

22 – 23 —  Double pedestal Teacher's Desk Single pedestal Teacher's Desk

The color, mobility and sturdiness of Samsonite school furniture is apparent at a glance, but closer examination will reveal dozens of advanced features.

Here, in summary form, are some outstanding Samsonite features:

Design and Structural Patents Pending

PERFECT POSTURE

Compound-curved Fibreglass back, together with carefully proportioned seat and back relationship, insures maximum comfort, perfect posture.

CHOICE OF COLORS

Colors selected to blend with classroom color schemes, based on exhaustive 30-state survey of classroom colors.

COLOR CONTRAST

Selected color for framework contrasts with color selected for accessories, such as book-box, book rack.

CHOICE OF SURFACES

Tops of desks, tablets and table tops available in plywood or plastic laminate.

HEIGHTS AND SIZES

(9) desk heights; (9) chair heights; (6) table heights; (3) top sizes of rectangular table; a 42″ round table and a 30″ x 60″ trapezoid shape.

SCUFF-PROOF, MOP-PROOF

Tapered aluminum "spats" at the bottom of all the legs camouflage scuffs and mop-marks; provide clean, sharp start for frame color.

LIGHT WEIGHT

Tubular steel frame adds strength, subtracts weight.

PIVOTING BACK SUPPORT

Exclusive compound-curved pivoting back support offers more comfort than any other school chair known. Back support pivots on swivel with two-point suspension. Plastic contact points insure silent pivoting action.

SWIVEL GLIDE

Polished steel glide cushioned in live rubber slides silently; swivel action permits automatic adjustment to uniform contact with floor.

DURABILITY

Electro-statically deposited chip-resistant enamel; resistance welded metal joints; water resistant quality adhesives for wood and plastic laminations.

MISCHIEF-PROOF

Fasteners securely installed, cannot be removed with coin or knife; countersunk rubber bumpers.

DANGER-PROOF

All covers and edges rounded; no-pinch desk lids.

MINIMUM REFLECTION

Surface texture insures minimum glare and eye strain.

SIMPLE MAINTENANCE

Clean-out holes in book-boxes; silent glide will not mar floor; tapered aluminum "spats" camouflage scuffs and mop-marks.

OPTIONAL FEATURES

Book rack; left and right-hand tablet arms and tablet desks.

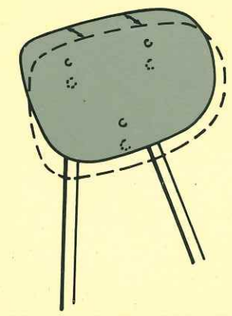
Colorful, Mobile Unit-Chair

The Samsonite Unit-Chair, with its exclusive compound-curved pivoting-back support, offers more comfort to more students than any other school chair known. The soft, rolling contours, possible only in plastic, fit a greater variety of backs than any other form yet devised.

This unique back support, in carefully proportioned relationship with an extra-large contour seat, guarantees less fatigue, less restlessness, and more attention.

Frame construction is of strong but light-weight tubular steel, with tapered aluminum "spats", and silent, rubber cushioned swivel glides. The back has a hand grip for easy movement.

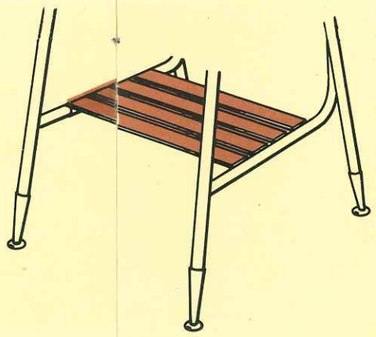
Colors may be selected to provide very warm, neutral, or very cool accents, as desired. Hues are adjusted so that units of different colors mix well.

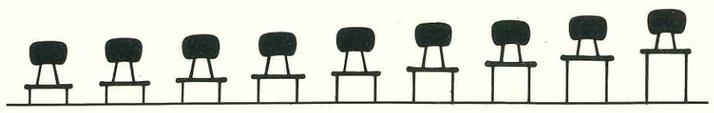


Pivoting back support, with swivel on two-point suspension. Rubber contact points insure silent pivoting action.

Optional feature

Book rack, with front and side access (16, 17 and 18 inch chairs only).





Available in: Nine seat heights—10, 11, 12, 13, 14, 15, 16, 17, 18 inches.

Four frame colors—terra cotta, grey, turquoise, brown.

Chairs may be readily and securely stacked to a height of 4 units.

SHORT SPECS: *Frame*, ⅞″ 19-gauge steel tubing. *Legs* have 4⅞″ swaged taper reducing to ½″ at bottom. *Side stretchers and back support*, ¾″ 18-gauge. *Seat*, ⅜″ 5-ply hard maple or birch. *Back*, contour-molded impact-resistant fibre glass plastic.

Colorful, Mobile Tablet-Arm Chair

The Tablet-Arm Chair offers a generous writing surface which supports the arm in natural writing posture. The tablet arm is positioned away from the back; the extension supports the elbow correctly.

The tablet arm is attached to the Unit Chair with steel tubular supports fastened to the chair cross-members with tubular rivets.

Easy slide-in and slide-out is provided by the lines and curve of the tablet arm and the absence of a "bucket" in the contour seat.

Silent polished steel swivel glides, cushioned in live rubber, eliminate noise in moving and automatically maintain uniform floor contact.

Available in
right hand and left hand Tablet-Arms.
Three seat heights (16, 17 and 18 inches).

Choice of tablets: (plywood, plastic laminate).
Four colors of frame (terra cotta, grey, turquoise, brown).
Left or right hand.
Pivoting back-support, with swivel on two-point suspension. Plastic contact point insures silent pivoting action.

SHORT SPECS: *Tablet arm* 20¾″ front to back, 12$^{5}/_{16}$″ right to left. *Plywood tablet,* 1$^{3}/_{16}$″ 7-ply hard maple or birch. *Simulated wood-grain plastic tablet arms.* Melamine balanced plastic laminate on 7-ply plywood. *Arm supports,* ⅞″ 16-gauge tubular steel. Other specifications as in Unit Chair.

Optional feature

Book rack, with front and side access.

Colorful, Mobile Tablet-Desk Chair

The Tablet-Desk Chair is an ideal study tool. The large working area provides ample space for both opened books and note pads.

The tablet desk is carefully engineered for legible, easy writing. The shape of the tablet gives correct support to the writing arm, and the tablet is tilted slightly to minimize arm or hand fatigue.

Here is a generous working surface, with the rigidity of a desk, yet without legs or pedestal. It has all the comfort and design features of the Unit Chair, since it is an *attachment* with rigid cantilever support.

Available in:
Three sizes (16, 17 and 18 inch seat heights).

Four colors of frame (terra cotta, grey, turquoise, brown).

Choice of tablets: (plywood, plastic laminate).

Right or left hand.

Pivoting back-support, with swivel on two-point suspension; plastic contact point.

Optional feature

Book rack, with front and side access.

SHORT SPECS: *Tablet desk* 22¾″ front to back, 21⅜″ right to left. *Plywood tablet desk,* 1$^{3}/_{16}$″ *7-ply hard maple* or birch. *Simulated wood-grain plastic tablet desk,* melamine balanced plastic laminate, on 7-ply plywood. Tablet desk supports, ⅞″ 14-gauge tubular steel. Other specifications as in Unit Chair.

Colorful, Mobile Student-Desk

SAMSONITE student-desks add another new touch of color to the classroom. Creatively designed to form related group with Unit-Chair, the Student-Desk may be used as a desk or table, or several of them may be pushed together for group projects.

The desk rests on polished steel glides, cushioned in live rubber. Ball and socket swivel action provides uniform contact with floor automatically. Tapered aluminum "spats" camouflage scuffs and mop-marks.

Long, continuous frame members absorb loads evenly, provide rugged support. The desk top is permanently attached to the graceful curving frame.

SHORT SPECS: *Frames* 7/8″ 19-gauge steel tubing. *Spanner rods* 3/4″ *back,* 5/8″ *front, stretcher rods,* 3/4″ 19-gauge steel tubing. 47/8″ swaged taper reduces bottom of leg to 1/2″. *Desk top dimensions,* 18″ x 24″. *Plywood top,* 13/16″ 7-ply hard maple or birch. *Simulated wood-grain plastic top.* Melamine plastic laminate on 7-ply plywood, balanced with backing sheet.

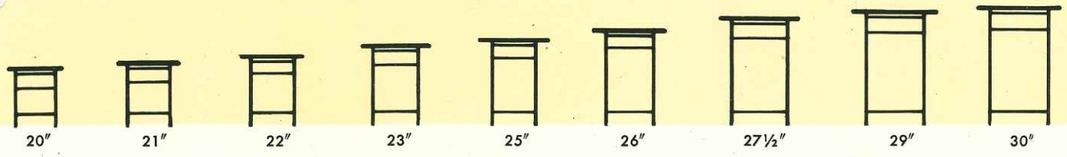
Colorful, Mobile Shelf-Desk

SAMSONITE shelf-desks also bring a new color concept to the classroom. Shelf or book-box color contrasts with that of graceful, curving frame.

The shelf slopes downward to give plenty of thigh-room and hold stored items securely. Shelf edges are gracefully curled for safety.

The desk top is permanently attached; the shelf is supported directly on the spanner rods.

Polished steel glides, cushioned in live rubber; ball and socket swivel action providing uniform contact with floor; tapered aluminum "spats" . . . are all features of the shelf-desk.



AVAILABLE IN:

Nine heights (20, 21, 22, 23, 25, 26, 27½, 29, and 30″).

Choice of tops: (plywood, plastic laminate).

Four colors of frame (terra cotta, grey, turquoise, brown) with grey shelf.

SHORT SPECS: Shelf, stamping from single sheet of 20 gauge cold rolled steel. *Shelf dimensions,* 20 1/8″ x 12 29/32″. Other specifications as in Student-Desk.

Colorful, Mobile Open-Front Desk

This cheerful, easily moved desk has an open-front book box formed of a single deep-drawn stamping. The edges around the front are gracefully flanged for maximum strength and safety.

A pencil groove runs the full width of the box, with curved corners for easy cleaning. ¾ inch clean-out holes are provided in the back corners.

Strong but light-weight tubular frame and swivel glides make moving the desk extremely simple. The glides will not mar floor surfaces.

Spanner rods and stretcher bars reinforce frame at top and bottom. All edges are curved, flanged or beveled.

Dimensions

Top 18″ x 24″

Open-front box, $21\frac{9}{16}$″ x $16\frac{1}{8}$″. $4\frac{1}{4}$″ deep at front; $5\frac{3}{16}$″ deep at back.

SHORT SPECS: Box, deep drawn stamping from single sheet of 20 gauge cold rolled steel. Other specifications as in Shelf Desk.

Available in:

Nine heights (20, 21, 22, 23, 25, 26, 27½, 29, 30 inches).

Four colors of frame (terra cotta, grey, turquoise, brown), Box is grey to match plastic back of Unit Chair.

Choice of tops (plywood, plastic laminate).

Colorful, Mobile Lift-Lid Desk

Exclusive features make the Samsonite Lift-Lid Desk a unique addition to the modern classroom.

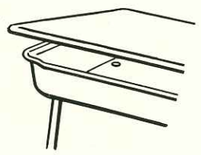
It is noiseless, slam-proof, tamper-proof, *and the fingers cannot be caught between lid and book box.*

The front lip of the box is recessed to allow space for fingers even when the lid is fully closed.

The rubber bumpers are *countersunk* into the lid so they can't be pried off.

A friction hinge prevents slamming, yet permits lid to be raised easily.

The lift-lid desk has all the other advantages of Samsonite desks—reinforced strength, light-weight, swivel glides, tapered aluminum "spats"—and forms a related group with the Unit Chair.



Dimensions:

Desk top, 18″ x 24″.

Book box, $21\frac{13}{16}$″ x $16\frac{5}{16}$″. $4\frac{1}{8}$″ deep at front, 5″ deep at back.

SHORT SPECS: *Book box*, deep drawn stamping from single sheet of 20 gauge cold rolled steel. Other specifications as in Shelf Desk.

Available in:

Nine heights (20, 21, 22, 23, 25, 26, 27½, 29, 30 inches).

Four colors of frame (terra cotta, grey, turquoise, brown). Box is grey to match plastic back of Unit Chair.

Choice of top (plywood, plastic laminate).

Colorful, Mobile Rectangular Table

Samsonite school tables are designed to fit every need of group study or activity.

The Rectangular Table is ideal for libraries, cafeterias, or wherever group rather than individual activities prevail.

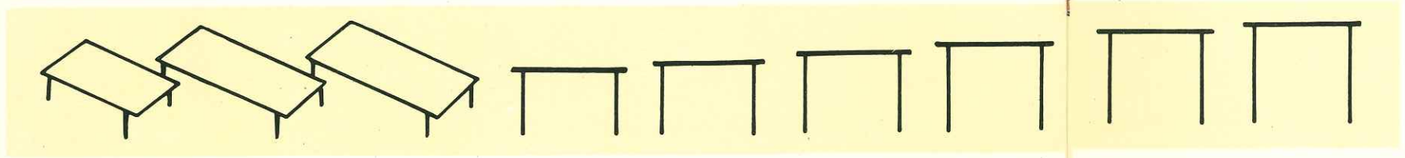
The largest size—36″ x 72″—can be equipped with six open-front book boxes (three boxes along each six foot length), and smaller tables with three or two boxes.

Design of the table is unified with all other Samsonite units. Lightweight tubular frame and swivel glides provide easy movement. Tapered aluminum "spats" camouflage scuffs and mop marks.

Available in:

Three sizes of top (72″ x 36″; 72″ x 30″; 60″ x 30″)

Six heights (20, 22, 24, 26, 28 and 30″)



Four colors of frame (terra cotta, grey, turquoise, brown)

Choice of tops (maple or birch plywood or melamine plastic with wood grain pattern on maple or birch plywood)

Optional features:

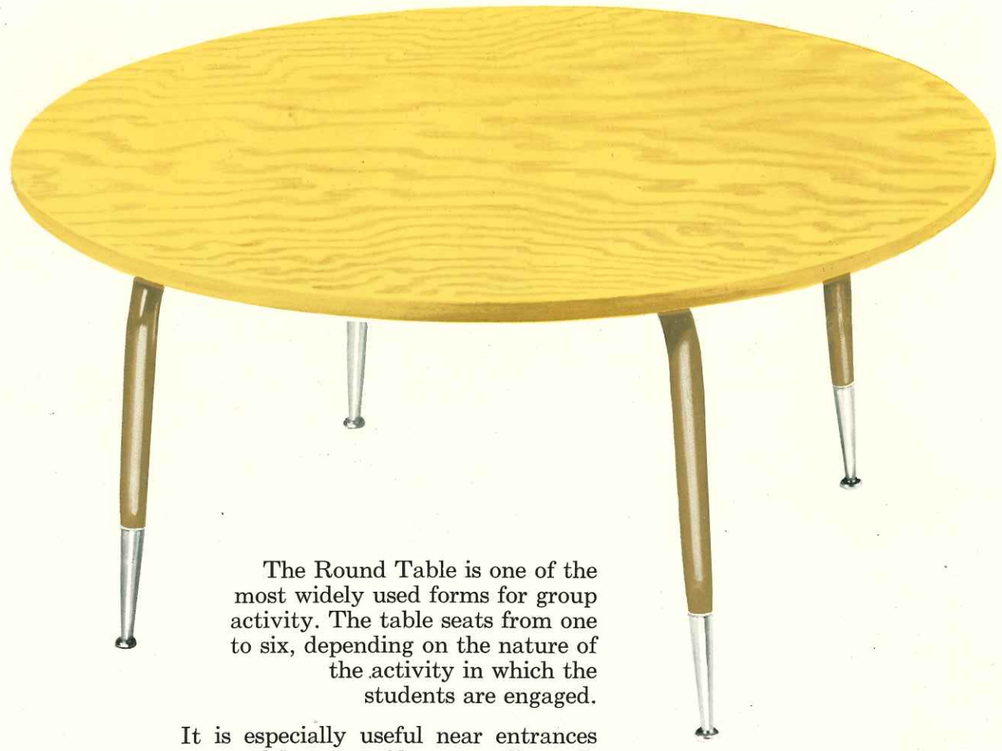
72″ x 36″—one to six open front book boxes

72″ x 30″—one to three open front book boxes

60″ x 30″—one to two open front book boxes

SPORT SPECS: *Legs* 1¼″ 18 gauge steel tubing. *Stretcher bars*, 1″ 19 gauge and ⅞″ 19 gauge steel tubing. *Plywood top*, $1\frac{3}{16}$″ 7-ply hard maple or birch. *Plastic top*, melamine plastic laminate on ¾″ 7-ply plywood, with balancing sheet. *Table edges* finished with hardwood plywood molding to provide approximately $1\frac{5}{16}$″ edge thickness.

Colorful, Mobile Round Table



The Round Table is one of the most widely used forms for group activity. The table seats from one to six, depending on the nature of the activity in which the students are engaged.

It is especially useful near entrances and in areas of heavy traffic, such as cafeterias.

Light in weight and fitted with swivel glides, the round table lends itself easily to flexible grouping arrangements.

Dimension: Table Top, 42" in diameter

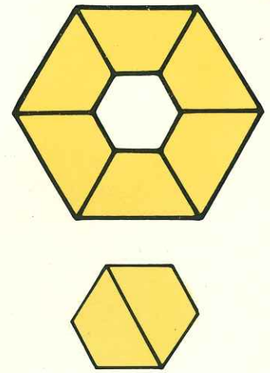
Available in:

Six heights (20, 22, 24, 26, 28 and 30")
Four colors of frame (terra cotta, grey, turquoise, brown)

Choice of tops (maple or birch plywood or melamine plastic with wood grain pattern on maple or birch plywood)

SHORT SPECS: As in Rectangular Table, page 19.

Colorful, Mobile Trapezoid Table

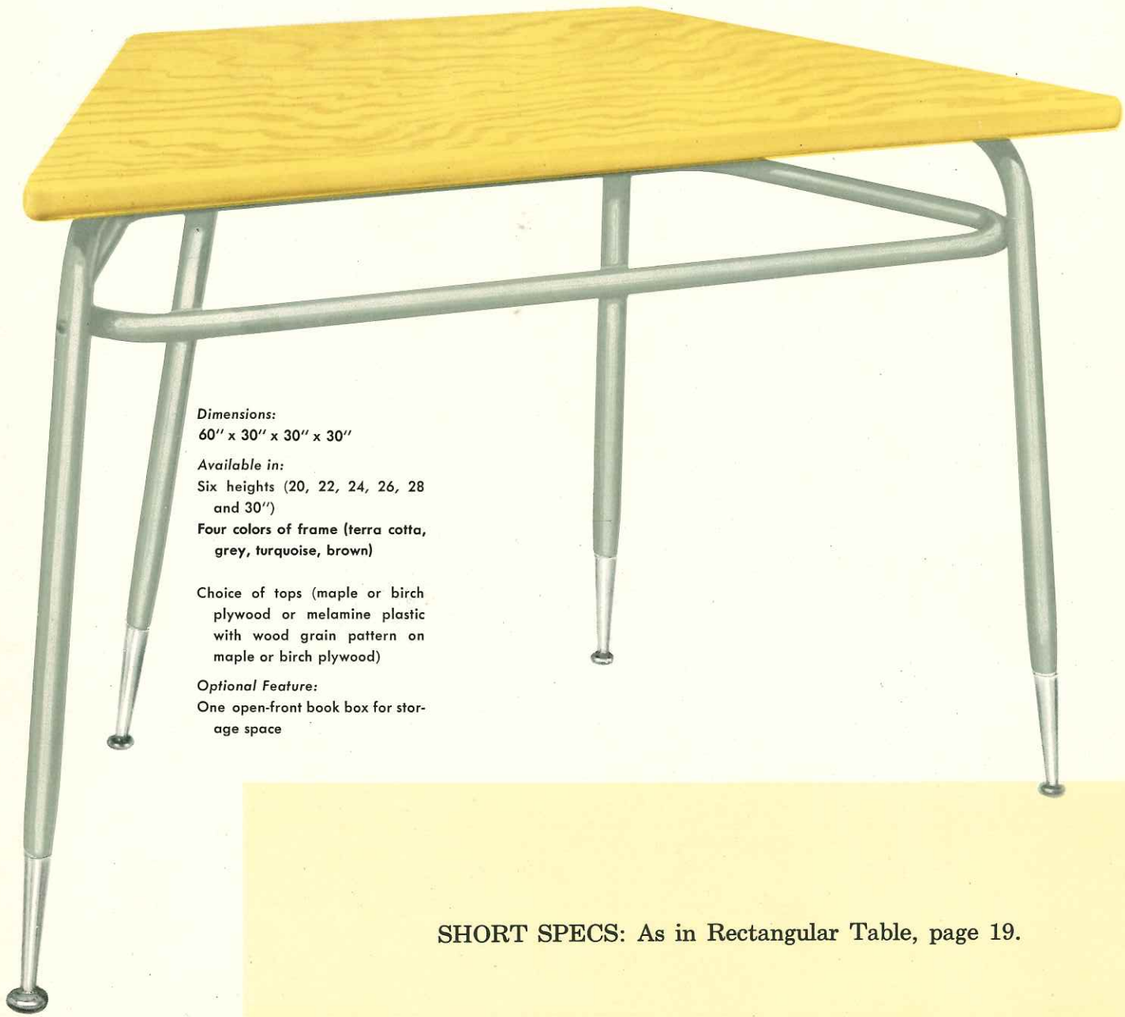


The Trapezoid Table is the most versatile table ever offered for classroom use.

As a single unit, it is a desk for two or three students, or an ideal small conference table.

Two trapezoid tables with the long sides together form a Hexagon—all the advantages of a round table, but with six well-defined places for as many students.

Trapezoid tables may be grouped in various combinations with endless possibilities—from a U-shaped newspaper "city desk" to zig-zag arrangements which fit any conceivable need.



Dimensions:
60" x 30" x 30" x 30"

Available in:
Six heights (20, 22, 24, 26, 28 and 30")
Four colors of frame (terra cotta, grey, turquoise, brown)

Choice of tops (maple or birch plywood or melamine plastic with wood grain pattern on maple or birch plywood)

Optional Feature:
One open-front book box for storage space

SHORT SPECS: As in Rectangular Table, page 19.

Colorful, Mobile Teacher's Desks

Double Pedestal Teacher's Desk

Two desk styles have been created to meet the special requirements of any classroom or office. The spacious working surfaces and handy storage compartments provide facilities for an efficient work center.

The largest size 30″ x 60″ is equipped with storage drawers on each side for personal supplies as well as ample file space for ready reference. A handy center drawer is located in the center of the desk.

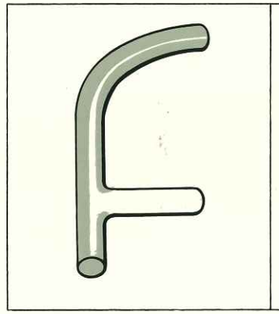
The small size desk 30″ x 48″ is fitted with two drawers in the right pedestal for orderly storage of working materials and personal items. The desk units are all metal, except for the top, durably constructed, and are equipped with swivel glides to facilitate easy movement within the room.

Single Pedestal Teacher's Desk

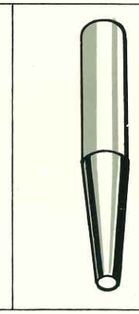
Both desks are available in 29″ height:
Four colors of frame are red, grey, blue-green and brown. The drawers and side panels will be finished in a contrasting grey.
Tops, melamine plastic wood grain laminate on ¾″ plywood. The table tops finished with a hardwood plywood edge molding to provide approximately 1 5/16″ edge thickness. The courtesy panel at the front of the desk is standard equipment.

Outstanding Construction Features

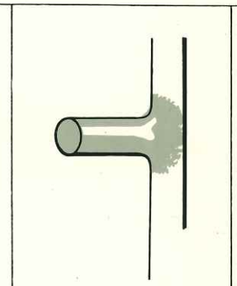
Durability



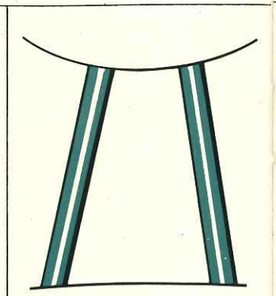
Tubular steel frame construction. Lightness of weight with no sacrifice of strength.



Roller-swaged leg taper. Increases thickness of tube at bottom at the same time as it heightens beauty with graceful taper and enhances utility with tapered aluminum "spats".

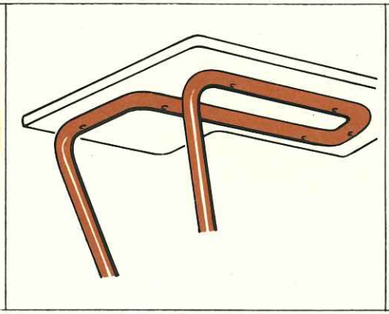


Resistance welded joints. Metal joints are made in specially designed machine. Welds are at least as strong as frame itself.

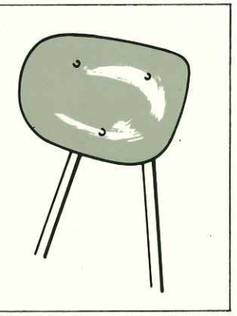


Electrostatically-deposited enamel on bonderized metal. Absolutely uniform enamel coverage. Non-chalking and highly resistant to abrasion and chipping.

Best quality adhesives. Wooden joints are made with urea resin adhesives, cured under heat and pressure.

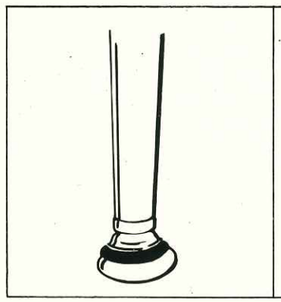


Supports. Tablet arm and tablet desk supports made of continuous length of steel tubing. Carefully planned cantilever distributes all stresses evenly.

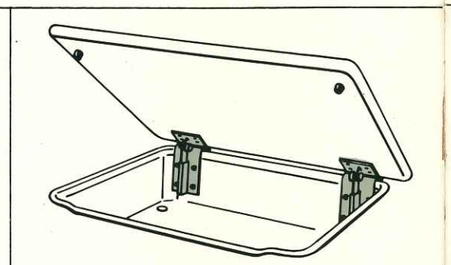


Plastic back support. Never needs refinishing. A steel reinforcement plate insures distribution of stresses and provides a positive media of attachment to the tubular frame.

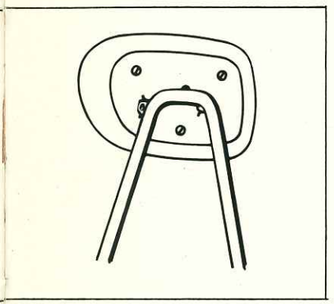
Silence



Silent swivel glides. Polished steel glides cushioned in live rubber eliminate distracting noises in moving furniture.

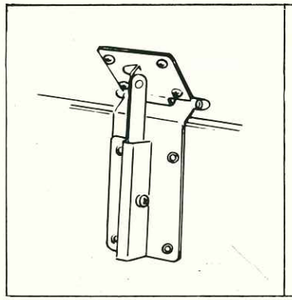


No-slam lids. Lids operate upon rugged friction hinge, which prevents slamming. Countersunk rubber grommets eliminate all possibility of noise.

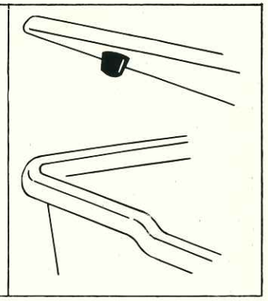


Plastic top on pivoting back support guarantees silent pivot operation.

Mischief Proof

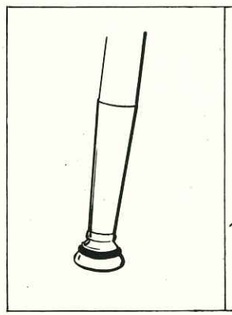


Self-locking fasteners cannot be loosened with coin or knife.

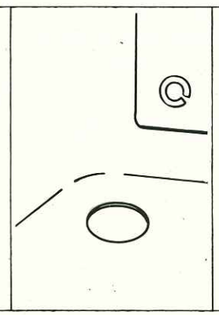


Rubber bumpers on desk lid are countersunk, cannot be pried loose.

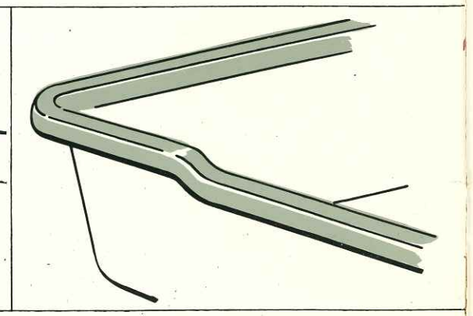
Easy Maintenance



Tapered aluminum "spats" camouflage scuffs and mop-marks.



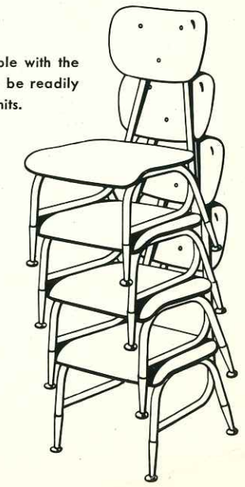
Clean-out holes in desks and book boxes prevent dust accumulation.

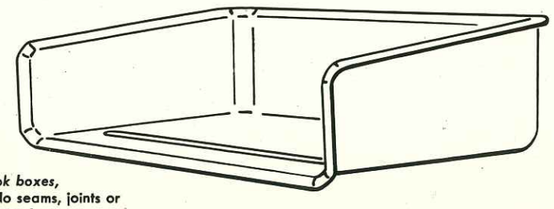


Flanged and beaded corners and edges make cleaning simple.

Pencil trays and grooves have curved edges for quick, thorough cleaning.

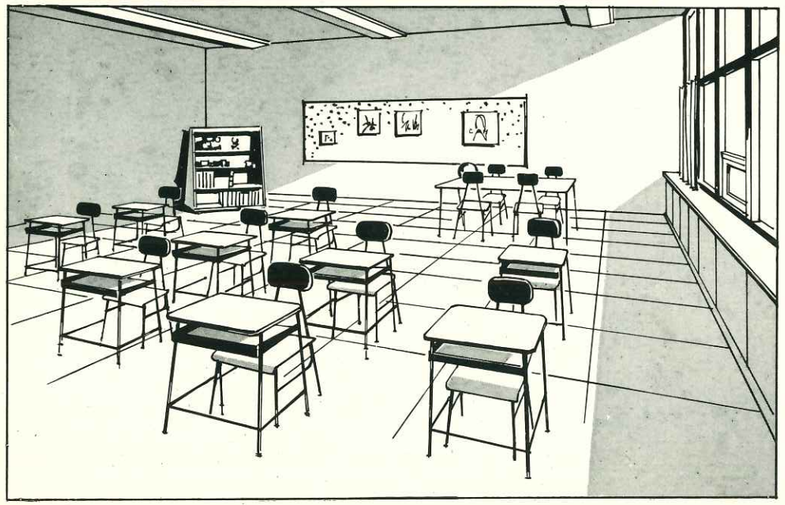
The shape of the chair legs is compatible with the size and shape of the seat. Chairs may be readily and securely stacked to a height of 4 units.





Single-stamping book boxes, racks and shelves. No seams, joints or rough edges to collect dust or hamper cleaning.

Colorful, Cheerful Classrooms



Intermediate Elementary Schoolroom

Note the round table for a reading circle, the trapezoid tables adjacent to the paper storage cabinet for a project area.

Lecture Classroom or Study Room

Note the use of open-shelf desk where there is no need for bookboxes or storage areas.

In a schoolroom with Samsonite Furniture, *everything* is cheerful.

No longer is the central bulk of the classroom a depressing island' surrounded by pleasant-colored walls. Instead, your classrooms present an invigorating harmony of room and content.

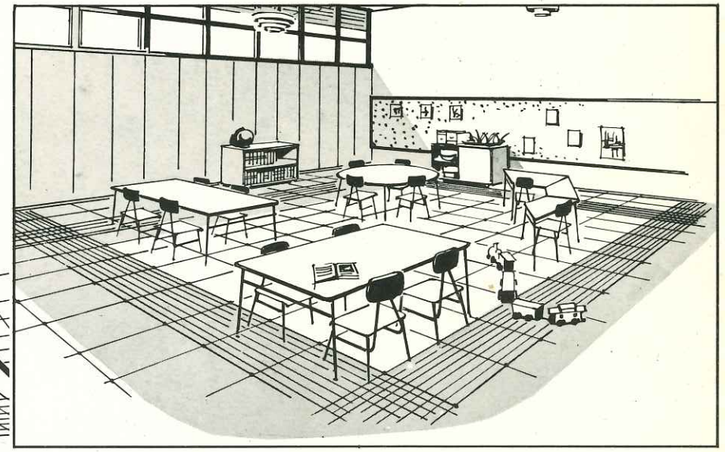
It is not color alone which brings about this transformation. It is *integrated* design—the visual rhythm of repeated curves—the promise of comfort—the invitation of informality—in short, *colorful mobility*.

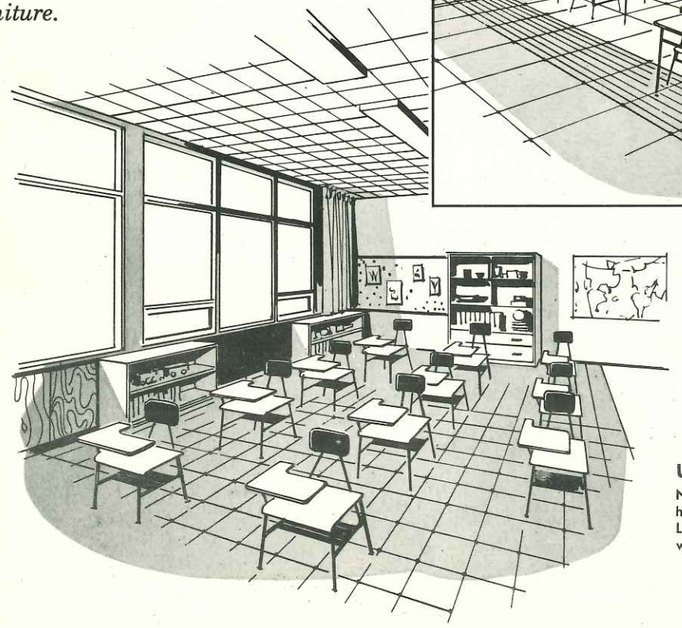
The various furniture units are designed not only to look well together, but to work well together. *Integrated* design makes the Samsonite cheerful classroom the most flexible classroom in history. Samsonite Furniture lends itself to any arrangement, any color or unit mixture—*any desired grouping or re-grouping.*

Here is colorful mobility, needed by teacher and pupil alike. *Here is creative education expressed in furniture.*

Social Studies Room

Note the use of rectangular and trapezoid tables to create a conference situation, with student desks pushed together to simulate legislative chamber.



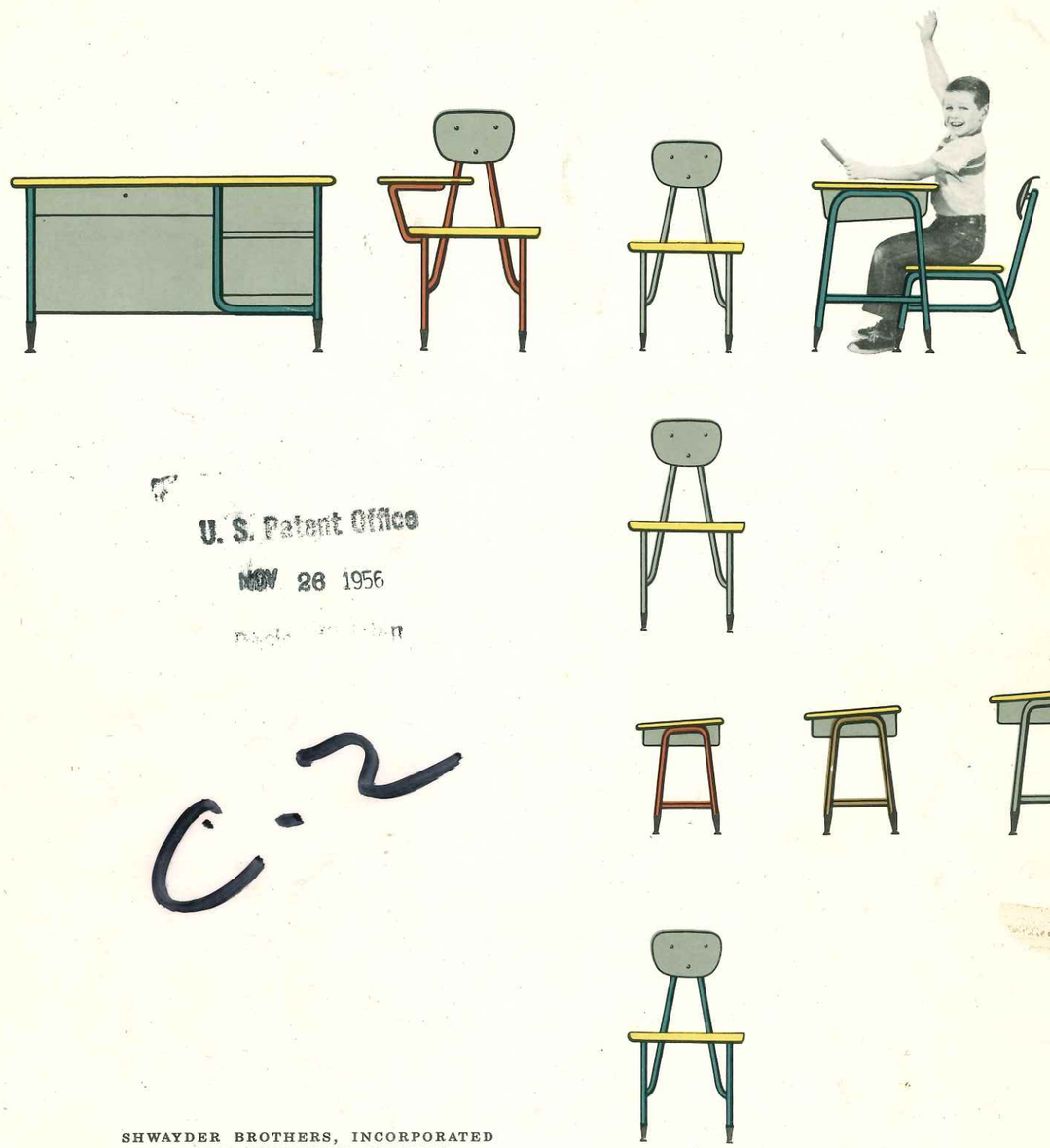


Kindergarten

Note the large activity table in the rear, and the grouping of trapezoid tables in foreground for close supervision of work. Round table is most often-used kindergarten unit.

Upper Classroom

Note the attractive, efficient chair desks in high school or upper elementary classroom. Large work surface, correct design minimize writing fatigue.



U. S. Patent Office
NOV 26 1956
Design Division

C-2

SHWAYDER BROTHERS, INCORPORATED
CLASSROOM FURNITURE DIVISION
4270 HIGH STREET
DETROIT 29, MICHIGAN
PHONE: DUNKIRK 2-1000

FORM NO. 1239 PRINTED IN U.S.A.

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Design Division

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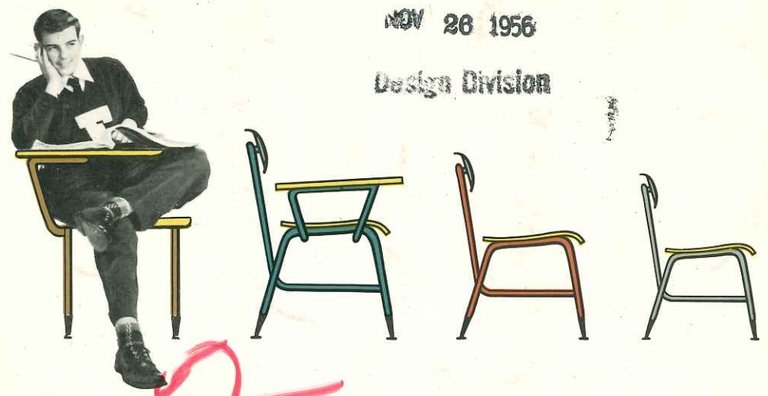
35-B-3



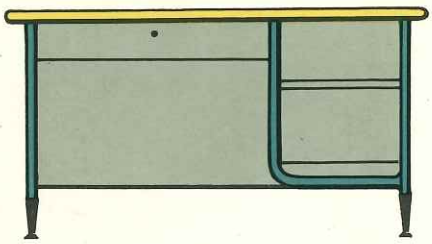
C-2

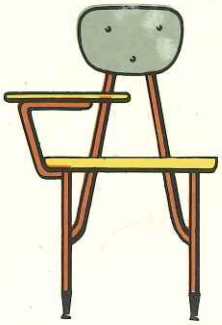
Samsonite

Presents a Complete Line
of Colorful, Mobile
School Furniture

DESIGNED BY *Russel Wright*

A.I.A. FILE NO.
35-B-3





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SAMSONITE SCHOOL FURNITURE

MATERIAL SPECIFICATIONS

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SHWAYDER BROTHERS, INC. — DETROIT 29, MICHIGAN

SAMSONITE SCHOOL FURNITURE

MATERIAL SPECIFICATIONS

1. METAL PARTS

(A) CHAIRS

(1) Frame

The chair frame shall be fabricated from resistance welded AISI C 1010 cold rolled steel tubing of the following sizes and gage:

(a) The side frames of the chair shall be ⅞" O.D. 19 gage with a hardness on the Rockwell "B" scale 85 minimum.

(b) The hairpin combination back support and side stretchers shall be ¾" O.D. 18 gage with a hardness on the Rockwell "B" scale of 70 to 84.

(c) The two top frame stretchers on sizes 16" through 18" shall be ¾" O.D. 19 gage commercial quality steel.

(d) The two top frame stretchers on sizes 13" through 15" shall be ¾" O.D. 19 gage, commercial quality steel.

(e) The single top stretcher on the 10" through 12" chair shall be ¾" diameter 19 gage commercial quality steel.

(B) STUDENT DESKS

(1) Frame

The frame of the student desk shall be fabricated from resistance welded AISI C 1010 cold rolled steel tubing of the following sizes and gage:

(a) The side frames shall be ⅞" O.D. 19 gage with a hardness on the Rockwell "B" scale of 85 minimum.

(b) The bottom stretcher on the two sides and the back of the desk frame shall be of ¾" 19 gage, commercial quality.

(c) The front and rear lateral stretchers at the top of the frame shall be ¾" & ⅞" O.D. respectively. 19 gage, commercial quality.

(2) Book Boxes

(a) The book shelf shall be a drawn stamping fabricated from 20 gage drawing quality AISI C 1010 cold rolled steel.

(b) The open front book box and the book box for the lift lid desk shall be a deep drawing stamping fabricated from 20 gage "drawing" quality or "aluminum killed"* quality AISI C 1010 cold rolled steel.

(3) The pencil trough in the lift lid book box shall be fabricated from 20 gage commercial quality AISI C 1010 cold rolled steel.

(4) The long hinge on the lift lid book box shall be fabricated from 14 gage AISI C 1010 commercial quality cold rolled steel. The short side of the hinge, to which the top is attached, shall be 14 gage, AISI C 1010, commercial quality cold rolled steel.

(5) The hinge pin shall be 3/16" diameter cold rolled AISI C 1010 steel.

(6) The friction control arm shall be fabricated from 16 gage AISI C 1010 cold rolled steel.

(7) The friction control housing shall be fabricated from 16 gage AISI C 1010 cold rolled steel.

---

*In processing the steel, the ingot is treated with aluminum to remove oxides and permit the steel to solidify without evolution of gas and development of blow holes. Steel processed in this manner possesses superior qualities for "deep drawing" without the hazard of fracture.

(C) ACTIVITY TABLES

(1) The leg frame of the activity tables shall be fabricated from 1¼" O.D. 18 gage AISI C 1010 commercial quality cold rolled steel.

(2) The lateral stretcher supports shall be fabricated from 1" O.D. 19 gage, AISI C 1010, commercial quality, cold rolled steel.

(3) The tubular arch members which support the center sections of the rectangular tables shall be fabricated from ⅞" O.D. 19 gage AISI C 1010 commercial quality cold rolled steel.

(4) The flanged stampings mounted on the leg frames for attachment of the tops shall be fabricated from 16 gage AISI C 1010 cold rolled steel.

(5) The aluminum sleeve which encases the end of each of the legs shall be fabricated from aluminum tubing with .020" wall thickness.

II. WOOD PARTS

All woods shall be selected from air seasoned stock free from imperfections including knots, shakes, sap discolorations and other defects affecting appearance and service. Wood shall be kiln dried and shall have a moisture content at time of lamination which shall not exceed 7%.

(A) CHAIR SEATS

The chair seat shall be 5-ply ⅜" thick hardwood plywood. The face ply shall be #1 Grade tapeless spliced and matched for both grain and color. The back ply shall be #2 grade tapeless spliced and matched for color. The face and back plys shall be hard maple or birch. The core woods shall be selected hardwood and may include birch, maple, sycamore or beech. The plys shall be cross laminated and bonded with Type II, Urea-Formaldehyde water resistant adhesive. The bond shall be of such quality that specimens will withstand the cold soak test prescribed in Department of Commerce Commercial Standards Specifications CS35-49. The bond shall be thoroughly cured by a process of induced electrical

heat which shall insure optimum polymerization of the Urea-Formaldehyde resins. The seat panel shall be formed with a front radius curl which provides maximum comfort and aesthetic appearance.

(B) DESK AND TABLET TOPS

(1) Plywood

The plywood desk top shall be fabricated from selected hard woods with a minimum of 7 plys and shall be 13/16" thick. The top ply shall be ⅛" minimum thickness, #1 grade, tapeless spliced, birch or maple. The back ply shall be #2 grade, tapeless spliced, birch or maple. The core materials shall be hardwoods and may include birch, maple, sycamore or beech. The plys shall be cross laminated and bonded with U.S. Spec. ANG8 Type II Urea-Formaldehyde water resistant adhesive. The adhesive shall be thoroughly cured by a heating process which shall provide optimum polymerization of the Urea-Formaldehyde resins. The bond shall be of such quality that specimens will withstand the cold soak test prescribed in Department of Commerce Commercial Standard Specifications CS 35-49.

(2) Plastic Tops

A wood pattern melamine plastic sheet 1/16" thick shall be laminated to ¾" thick 7-ply hardwood plywood. The hardwood plys shall be selected birch, maple, sycamore or beech. The plys shall be cross laminated and bonded with U.S. Spec. ANG 8 Type II Urea-Formaldehyde water resistant adhesive. The laminate shall be cured by a heating process which shall provide optimum polymerization of the Urea-Formaldehyde resin. The bond shall be of such quality that specimens will withstand the cold soak test prescribed in Department of Commerce Commercial Standards Specifications CS 35-49. A melamine plastic backing sheet shall be laminated to the bottom surface to provide a balanced construction and minimize warpage. The melamine plastic surfaces shall meet the NEMA heat and solvent resistant specifications and shall have a light reflectance factor of 30 to 50.

(3) Tablet Tops

Tablet arms and tablet desk tops shall be fabricated in accordance with specifications for plywood and plastic tops as described in sub-paragraphs II-B, 1 and 2 above.

(C) ACTIVITY TABLE TOPS

Activity table tops shall be hardwood plywood and melamine plastic on hardwood plywood. Specifications as stated in paragraphs II-B, (1) and (2) above shall prevail with the exception of the top ply which shall be 1/20" to 1/16" instead of the 1/8" minimum thickness. The top on the round table shall be hardwood plywood 1" thick. The special molding to increase the edge thickness shall not be included on the round table. The table top shall be finished on the edges with a hardwood plywood face molding to provide an over-all edge thickness of approximately 1-5/16".

III. PLASTIC PARTS

(A) PLASTIC BACK

The back panel of the chair shall be a molded fiber glass reinforced polyester resin plastic. The molding shall be performed in polished matched metal molds which shall provide optimum density and high temperature cure of the polyester resins. The molded parts shall have a minimum thickness of 0.100". A minimum of 20% glass fibre mat shall be used. An opaque wear resistant surface shall be provided on the front of the back panel to obscure the glass fibres. The molded part shall be designed to provide additional reinforcement and strength in the areas immediately adjacent to the rivet holes. The surface shall have a hardness which shall withstand scratching with a #6H pencil.

IV. FINISH

(A) WOOD FINISHING

All top surfaces shall be sanded smooth with #4/0 sandpaper to eliminate dents, rough spots or sandpaper marks in the finished product. Exposed surfaces shall be free from glue, stains, scratches or other defects affecting the appearance of the finished product. Exposed wood parts shall be finished with a light stain, a penetrating primer sealer, and two finish coats of Type H low gloss lacquer. A drying cycle shall follow the application of each of the four finishing coats. A scuff sanding operation will be performed on intermediate applications if required for the removal of dirt or blisters. Bottom surfaces shall be smooth and shall be finished with a sealer and one coat of Type H lacquer. -The final finish shall have a light reflectance factor of 30 to 50 and shall be of sufficient depth and toughness to withstand the performance tests hereinafter specified.

(B) METAL FINISHING

All metal parts shall be cleaned and free of dirt, oil, grease, rust and scale. The cleaned surfaces shall be subjected to a chemical treatment which produces an adherent crystalline iron phosphate deposit which shall be water insoluble and shall be deposited a minimum of 50 milligrams per square foot of surface area. A continuous film of organic baking enamel shall be applied to all surfaces with a spread to result in a minimum baked film thickness of 1.5 mils. The enamel shall be baked under controlled conditions which will provide the temperature-time relationship for optimum polymerization of the organic resins. All product colors shall be a commercial

match to the standard retained color panel. Color comparisons shall be made visually using a three-way McBeth light in a darkened room or by viewing both panels adjacently under identical conditions in natural light. The finished surfaces shall withstand performance tests hereinafter specified.

V. TESTING OF FINISHES

(A) WOOD

(1) Cold Water Resistance

The tests shall be made by application of felt soaked in water and placed under a glass cover on the horizontal surface of the finish for a period of 18 hours at room temperature. The water soaked pad shall be removed and the surface wiped dry. One hour after removal of the soaked pad the finish shall show no signs of discoloration or other defects.

(2) Abrasion Resistance

The finished surface shall be abraded with a paste of Old Dutch Cleanser and water on a 5" x 7" sateen pad supported on a smooth wood block. A weight of four pounds shall be applied to the pad and given 100 reciprocating motions parallel to the grain. Upon completion of the test the surface shall be cleaned with a dry cloth and there shall be no visible defects resulting from the abrasion test.

(3) Scratch Tests—Federal Spec. TT-P-141b Method 617.1

Using a pocket knife, cut a narrow ribbon of the paint film by holding the knife blade at an angle of about 30° to the panel. A continuous film curling off is considered satisfactory. A film indicating brittleness is considered unsatisfactory.

(B) METAL

(1) Abrasion—Federal Spec. TT-P-141b Method 619.2

Taber Abraser, CS-17 calibrase wheels, 1000 grams pressure per wheel. Specimens shall be securely mounted on the specimen holder and vacuum attachment adjusted to remove loose deposits during test. Wheels shall be dressed before each test. Film thickness loss after 200 cycles shall not exceed .0005" and shall not expose more than 10% of the metal surface.

(2) Pencil Hardness

Using an accepted set of calibrated pencils from 2H through 7H sharpened with the lead square, hold the pencil in writing position (45 degrees) and writing pressure and determine hardness of pencil to cut into paint film. A 3H or lower shall not mark the enamel.

(3) Resistance to Bending—Federal Spec. TT-P-141b Method 622.1

There shall be no fracture in the enamel finish when subjected to bending 180° over the ⅜" diameter of the conical mandrel.

(4) Resistance to Impact

The enamel surface shall not fracture on the side away from the impact when subjected to an impact of fifty inch pounds using a ⅝" diameter steel anvil resting at the center of the 4" diameter unsupported area of the specimen. This test is run at 72°F.

(5) Knife Flexibility—Federal Spec. TT-P-141b Method 617.1

Using a pocket knife, cut a narrow ribbon of the paint film by holding the knife blade at an angle of about 30° to the panel. A continuous film curling off is considered satisfactory. A film indicating brittleness is considered unsatisfactory.

(6) Salt Spray Test—Federal Spec. TT-P-141b Method 606.1

Test panels representative of the finished enamel surface shall be scored to the bare metal with a sharp instrument. The panels shall be positioned in a fog chamber at 95° ± 2°F. The salt water mixture shall consist of 20 ± 2 parts of salt (NaCl) to 80 parts distilled water. Inspection of the samples shall be made every 24 hours. The sample is considered to have failed when rusting, softening or blistering of the paint occurs beyond ⅛" on either side of the scratched line. The quality of the finished enamel shall be such that it will withstand the salt spray test for a minimum of 150 hours.

VI. HARDWARE

(A) GLIDES

The glides shall be designed to provide a ball and socket type swivel action and an integral cupped leg end mounting for increased lateral strength. The mushroom bearing surface shall be 1-1/16" in diameter, fabricated from case hardened steel with a hard nickel chrome polished finish. The spring steel attaching web shall be completely insulated from the metal portion in contact with the floor by a butyl rubber cushion. The glides shall be designed to withstand a direct pull of 400 lbs. and remain securely in place in the end of the leg.

(B) SCREWS

Screws used for the attachment of wood parts shall be Phillips Head and shall be designed with a "Twin-Fast" double lead thread.

(C) RIVETS

A commercial standard 3/16" diameter drilled or swaged tubular rivet will be used for the attachment of the seat panel to the chair frame; the fastening of the tablet arm and tablet desk supports to the chair frame; the attachment of the plastic back to the metal back support; the attachment of the open front book box to the desk frame; the attachment of the hinges on the lift lid desk to the book box stamping. The swivel action of the pivot back will be effected with ¼" diameter tubular rivets.

(D) NUTS AND BOLTS

On the activity tables the leg members will be fastened to the horizontal stretchers with a commercial standard Phillips Head machine screw and with a self-locking nut.

STUDENT CHAIR

See Catalog Pages 10, 11

Style, Code Number Formula:

EXAMPLE: 1146-2: Student Chair, 14" height, grey frame, pivot back.

1000 - 0

Indicates Student Chair	Height in Inches	Frame Color	Back Attachment
	10,11	1 Turquoise	2 Pivot
	12,13	3 Brown	
	14,15	6 Grey	
	16,17	8 Terra Cotta	
	18		

STUDENT CHAIR

The side frames of the chair shall be fabricated from ⅞" O.D. 19 gage tubing. The lateral stretchers on all chairs shall be ¾" diameter 19 gage tubing. The side stetchers and the back support shall be a continuous piece of ¾" O.D. 18 gage steel tubing. The chair frame shall be of all welded construction. The end of each leg shall be swaged 4⅞" to effect a reduction from the ⅞" outside diameter to the ½" outside diameter by a process which increases the wall thickness of the tubing. The resultant taper shall be a harmoniously blended radius and provide a smooth transition between the large and small diameters. The bottom 2⅞" of the taper shall be encased with a form fitting aluminum sleeve .020" thick to provide a permanent scuff resistant surface. The end of each leg shall be equipped with a swivel glide. The chair seat shall be a posture contoured formed plywood panel affixed to the chair frame with tubular rivets and positioned at an angle to provide maximum comfort. A small, medium and large size chair panel will be available to maintain the aesthetic symmetry of the various sizes of chairs. The small panel 11" x 13" shall be fitted to the 10", 11" and 12" chair. The medium panel 14⅛" x 15" shall be fitted to the 13", 14" and 15" chair. The large size panel 16⅜" x 17" shall be fitted to the 16", 17" and 18" chair.

The chair back shall be a contour molded fibre glass reinforced polyester plastic material. The color of the molded part shall be a medium grey to match the desk book boxes and other accessory parts. The texture of the surface shall be a mat with a light reflectance factor of 30 to 50. The back shall be reinforced with a form fitting steel stamping and attached to the chair frame by a two point welded stud and steel bracket which shall provide for approximately 30° swivel rotation.

On the pivot back, the hinge design shall include means to prevent the bottom edge of the plastic bumping against the chair frame. A plastic contact point at the top of the rotation movement shall insure noiseless action.

The chair frame shall be available in turquoise, brown, grey and terra cotta baked enamel finish.

STUDENT CHAIR (OPTIONAL ACCESSORIES)

Style, Code Number Formula:

See Catalog Pages 10, 11, 12, 13

EXAMPLE: 1173-2244 Student Chair, 17" height, Brown Frame, pivot back, with book rack, right hand tablet desk attached, plastic surface.

1000 - 0000

Indicates Student Chair	Height in Inches	Frame Color	Back Attachment	Book Rack	Tablet Unit	Tablet Material
	16,17	1 Turquoise	2 Pivot	1 No Rack	1 No Tablet Unit	1 No Tablet Unit
	18	3 Brown		2 Book Rack	2 Right Tablet Arm	3 Plywood
		6 Grey			3 Left Tablet Arm	4 Plastic Top
		8 Terra Cotta			4 Right Tablet Desk	
					5 Left Tablet Desk	

OPTIONAL ACCESSORIES (For Student Chair)

BOOK RACK (For 16", 17", and 18" Chair only)

The book rack shall be fabricated as a one piece stamping from 20 gage cold rolled steel with 16 gage reinforcement. The finished rack shall have an over-all dimension of 13⅜" at the back x 12-15/16" at the front with a front to back width of 8⅞". The rack shall present a surface of four steel strips 1¾" wide, ⅝" between strips, with a channel type cross section. The front and rear strips are reinforced with "hat" cross section members spot welded in position. The book rack shall be supported on the chair stretchers. The edges of the book rack which contact the chair stretchers shall be die formed to the contour of the tubing and attachment shall be effected with Phillips Head self tapping screws. The color of the book rack shall be the standard medium grey enamel finish.

TABLET ARM

The standard 16", 17", and 18" chair shall be the base unit to which a tubular support shall be attached for the tablet arm chair. The tubular support shall be fabricated from 16 gage ⅞" diameter steel tubing and shall be of adequate rigidity. The support attachment shall be secured to the tubular cross braces of the chair frame with 3/16" diameter tubular rivets and intermittent brazing.

The tablet arm surface shall be offered in a choice of plywood or melamine plastic on plywood. The total surface area of the tablet arm shall be not less than 180 square inches. The tablet arm shall be secured to the tubular support with Phillips Head twin fast wood screws.

TABLET DESK

The standard 16", 17" and 18" chair shall be the base unit to which a tubular support shall be attached to produce the tablet desk. The tubular support shall be fabricated from 14 gage ⅞" diameter steel tubing and shall be of adequate rigidity. The tubular support shall be fastened to the tubular stretchers of the chair frame with 3/16" diameter tubular rivets and intermittent brazing.

The tablet desk top shall be constructed of plywood or melamine plastic on plywood. The total surface of the tablet desk shall be not less than 290 square inches. The tablet unit shall be attached to the tubular support with Phillips Head twin fast wood screws.

STUDENT DESKS

See Catalog Pages 14, 15, 16, 17

Style, Code Number Formula:

EXAMPLE: 2261-13: Student Desk, 26" High, Turquoise Frame, no book box, plastic top.

2000 - 00

Indicates Student Desk	Height in Inches	Frame Color	Book Box	Top Material
	20,21	1 Turquoise	1 No Book Box	2 Plywood
	22,23	3 Brown	2 Book Shelf	3 Plastic
	25,26	6 Grey	3 Open Front	
	27,29	8 Terra Cotta	4 Lift Lid	
	30			

STUDENT DESK

A standard tubular desk frame shall be the base unit for four styles of student desks. The desk may be obtained with one of the standard tops and without a book storage compartment. The frame may be fitted with a book shelf which shall be supported on the lateral stretchers at the top of the frame. The overall dimensions shall be 20⅛" wide x 12-29/32". The surface of the shelf shall have an approximate 12° incline from the horizontal front to back, and shall be provided with a deep drawn recess 1-13/32" deep at the back to insure retention of materials placed on the shelf.

An open front book box may also be adapted to the standard frame. This storage compartment shall be fabricated as a deep drawn stamping from a single sheet of 20 gage cold rolled steel. The stamping shall be flanged at the top, on the two sides and back to permit direct attachment of the unit to the desk frame. The overall dimensions of the storage compartment shall be 21-9/16" wide, 16⅛" front to back. The opening at the front shall be 4¼", and the bottom of the book box shall slope 4° from the horizontal toward the back. A pencil retaining groove ¾" wide x 18" long shall be an integral part of the stamping and located inside of the front lower edge of the compartment. The front edges of the stamping shall be a continuous rolled flange with metal edges tightly hemmed to eliminate burrs and sharp surfaces.

A totally enclosed book box may be adapted to the standard desk frame for the lift lid student desk. The storage compartment shall be fabricated as a deep drawn stamping from a single piece of cold rolled 20 gage steel. The overall dimensions shall be 21-13/16" wide x 16-5/16" front to back; 4⅛" deep at the front with a 4° slope in the bottom which provides a 5" depth at the back of the compartment. At the front, the top edge of the box shall be recessed ⅜" to facilitate easy opening and to reduce the possibility of pinching the fingers. A pencil tray fabricated as a single stamping from 20 gage cold rolled steel shall be spot welded to the front inside surface. The dimensions of the tray shall be 1-5/16" wide x 20-1/16" long. The edges shall be curled to eliminate the presence of burrs and sharp edges. The hinge pivot pins shall be recessed in the bottom surface of the desk top and shall be equipped with adjustable friction slides to insure slam-free closing.

The standard desk frame shall be fabricated from ⅞" diameter 19 gage tubing. The two end frames shall be connected laterally at the front and back with sections of ¾" diameter 19 gage steel tubing. A ¾" diameter tube formed in the shape of a "U" shall connect the four legs on the sides and back. The tubular frame shall be of all welded construction. The end of each leg shall be swaged 4⅞" to effect a reduction from the ⅞" outside diameter to the ½" outside diameter by a process which increases the wall thickness of the tubing. The resultant taper shall be a harmoniously blended radius and provide a smooth transition between the large and small diameters. The bottom 2⅞" of the taper shall be encased in a form fitting aluminum sleeve .020" thick to provide a permanent scuff resistant surface.

The desk tops shall be 18" x 24" and shall be available in plywood or melamine plastic on plywood. The edges of the desk tops shall be shaped to minimize chipping of plastic surface or top wood ply.

ACTIVITY TABLE (Sizes)

Rectangular Type

30"x60"
30"x72"
36"x72"

Trapezoid 30"x30"x30"x60"
Round 42" Diameter

See Catalog Pages 18, 19, 20, 21

EXAMPLE: 3243-336: Activity Table, 24" high, Brown frame, 36" x 72", Plastic top with 6 book boxes.

Style, Code Number Formula:

3000 - 000

Indicates Activity Table	Height in Inches	Color of Frame	Size of Top	Top Material	No. of Open Front Book Boxes***
	20,22	1 Turquoise	1 30x60	*	
	24,26	3 Brown	2 30x72	2 Plywood ¾"	
	28,30	6 Grey	3 36x72	7-Ply**	
		8 Terra Cotta	4 30x30x30x60 Trap.	3 Plastic on ¾"	
			5 42" Diameter Round	7-Ply Plywood**	

ACTIVITY TABLE

The activity table shall be offered in five basic sizes. The rectangular tables shall be 30" x 60", 30" x 72", and 36" x 72". The trapezoid table shall measure 30" x 30" x 30" x 60". The round table shall be 42" in diameter. The tables shall be available in heights of 20", 22", 24", 26", 28", and 30".

The rectangular table shall have a "U" shaped tubular leg frame at each end of the table. The tubular legs shall be 1¼" diameter 18 gage steel tubing. The table top shall be supported directly on the leg support and attached to the top with Phillips Head twin fast wood screws through a flanged stamping which shall be brazed to the horizontal section of the leg "U" member. The leg shall be braced with a 1" diameter tubular continuous stretcher located 5¼" below the table top and attached to the legs at each of the corners with 5/16" diameter Phillips Head machine screws and self-locking nuts. Additional lateral arch shaped supports welded to the tubular stretcher and attached to the top with wood screws insure additional rigidity to the table structure. The design shall provide for easy removal of the legs to permit a change in table height or for K-D shipment, or storage. The ends of each leg shall be swaged by a process which increases the thickness of the wall of the tubing. The resultant taper shall have an overall length of 8" and shall reduce the 1¼" diameter to ½" diameter. The resultant taper shall be a harmoniously blended radius and provide a smooth transition between the large and small diameters. The bottom 5" of the taper shall be encased with a form fitting aluminum sleeve .020" thick to provide a permanent scuff resistant surface. The end of each leg shall be equipped with a rubber insulated swivel glide 1-1/16" in diameter.

The general construction features of the rectangular table shall apply to the trapezoid table. The round table shall have tubular "U" shaped legs and the supports shall be attached to the top at right angles, one to the other. No stretcher is used. The standard open front book box stamping may be adapted as storage compartment to the activity tables except round table. Attachment of the storage compartment shall be with Phillips Head twin fast wood screws.

The following is a summary of the maximum number of book storage compartments which can be attached to each of the activity tables:

(a) 30" x 60" rectangular (2) each — both on one side
(b) 30" x 72" table — (3) each, positioned on one side only
(c) 36" x 72" table — (6) each, three units on each side
(d) Trapezoid table — (1) each on 60" side or on opposite side of 60" dimension if desired
(e) 42" round table — none

Table tops shall be available in finished maple or birch plywood or wood grain melamine plastic on plywood with a plastic backing sheet.

Tubular frames shall be available in grey, brown, turquoise or terra cotta enamel.

Book boxes shall be finished in medium grey enamel.

*—Straight Grain Solid Wood not Offered.

**—Edge finished with Hardwood Plywood Molding to provide approximately 1-5/16" edge thickness, with exception of Round Table. Round table has 1" top.

***Table Top Size	Maximum Number of Book Boxes
1	2
2	3
3	6
4	1

TEACHER'S DESK (Single Pedestal)
(Double Pedestal)

See Catalog Pages 22, 23

EXAMPLE: 4298-2320: Teacher's Desk, 29″ Height, Terra Cotta frame, 30 x 60 top, double pedestal, plastic top surface with knee panel.

Style, Code Number Formula:

4298-2320

Indicates Teacher's Desk	Height	Color of Frame	Size of Top	Top Material	Knee Panel
	29"	1. Turquoise	1. 30 x 48 single pedestal	1. *	
		2. Brown		2. *	2. Knee Panel
		6. Grey	2. 30 x 60 double pedestal	3. Plastic	
		8. Terra Cotta			

TEACHER'S DESK

The Teacher's Desk shall be offered in two basic styles — a single pedestal and a double pedestal desk unit. The desk shall be 29″ in height and shall use the standard activity table top construction in 30″ x 48″ and 30″ x 60″ sizes. The 30″ x 48″ size shall be equipped with a single pedestal two drawer unit, located on the right side. One drawer shall be standard file size. The knee drawer shall be suspended from the top and centered in the knee hole space. The 30″ x 60″ size will have two pedestal drawer units located symmetrically on each side of the top with the knee drawer centered between them. The top construction and the tubular leg structure will incorporate basic specifications as outlined in the rectangular tables. The drawers, pedestal units and knee panel shall be fabricated from 20 gauge cold rolled sheet steel. The pedestal drawers shall be provided with a standard lock which permits both drawers to be locked simultaneously. The pedestal drawers shall be conveniently partitioned for the storage of classroom materials. The glide surfaces of the pedestal drawer units shall be molded nylon to insure quiet, frictionless action. All drawers have stops to prevent accidental removal. The knee panel mounts at the front of the desk between the two pedestals (double pedestal desk) or between the leg and the pedestal (single pedestal desk). Safe rolled edges are incorporated on the top and bottom edges of the knee panel. The end of each leg shall be equipped with a 1¼″ diameter nickel plated steel, rubber insulated swivel glide for noiseless action and self leveling contact with the floor. The glide base is a nickel plated, polished and case hardened bearing surface which will not mar the floor. All metal parts shall be cleaned, painted and baked by the accepted standard procedures. The tubular side frames of the desk shall be offered in the four standard colors and the drawers, pedestals and knee panels shall be finished with the standard medium grey color. All sheet metal seams will be assembled by standard spotwelding techniques. The pedestal drawers are equipped with convenient recessed type drawer pulls with durable chrome plated cover plates to permit easy opening and closing action without objectionable projections.

* Not available in solid wood or plywood.

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